

Application No.: 10/711,382

Docket No.: 22040-00021-US1

**AMENDMENTS TO THE CLAIMS**

This listing of claims replaces all previous versions and listings of claims in this application.

**Claim Listing**

1. (Cancelled).

2. (Previously presented) An audio amplifier, comprising:

a power switch comprising transistors which perform switching operations according to a pulse width of a supplied driving signal, and which amplify and output audio signals by using a first power source voltage supplied to said transistors; and

a transformer arranged in a latter stage of said power switch which performs a voltage conversion based on the audio signals supplied by said power switch by using a second power source voltage,

wherein said first power source voltage and said second power source voltage are different from each other, and an output voltage provided by the transformer is greater than the first power source.

3. (Previously presented) The audio amplifier of claim 2, wherein areas of said transistors comprising said power switch are selected to allow a desired quantity of current into said transformer based on said first power source voltage.

4. (Previously presented) An audio amplifier structured to drive an audio output means though plural switched transistors, the amplifier comprising:

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voltage conversion means for converting an input current into an voltage output based on a second power source voltage arranged between amplification means for amplifying and outputting audio signals based on a first power source voltage supplied to said plural switched transistors and said audio output means,

wherein said second power source voltage is different from said first power source voltage, and said output voltage is greater than the first power source voltage.